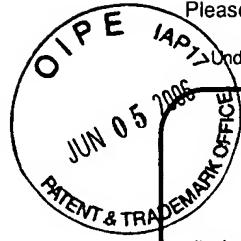


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Approved for use through 10/31/2002. OMB 0651-0031

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Total Number of Pages in This Submission

7

Application Number	10/616,228
Filing Date	July 8, 2003
First Named Inventor	Chee
Group Art Unit	1631
Examiner Name	Whaley, P. S.

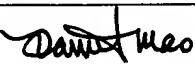
Attorney Docket Number

018547-008213US

ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (orig. + 1 cc.)	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Return Receipt Postcard
<input checked="" type="checkbox"/> Information Disclosure Statement with SB08A and SB08B	<input type="checkbox"/> Request for Refund	2. Five (5) references
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		The Commissioner is authorized to charge any additional fees to Deposit Account 20-1430. Total number of pages does not include cited references.

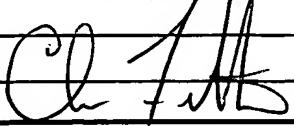
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm and Individual name	Townsend and Townsend and Crew LLP	Reg No. 51,995
Signature		
Date	May 12, 2006	

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:

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Typed or printed name	Christopher R. Fitting		Date	May 31, 2006
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60772180



Effective on 12/08/2004.

Fees Pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2005

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$180.00)

Complete if Known

Application Number	10/616,228
Filing Date	July 8, 2003
First Named Inventor	Chee
Examiner Name	Whaley, P. S.
Art Unit	1631
Attorney Docket No.	018547-008213US

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order None Other (please identify): _____
 Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Charge fee(s) indicated below, except for the filing fee
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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

<u>Application Type</u>	<u>FILING FEES</u>		<u>SEARCH FEES</u>		<u>EXAMINATION FEES</u>		<u>Fees Paid (\$)</u>
	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	<u>Small Entity</u>	<u>Fee (\$)</u>	
Utility	300	150	500	250	200	100	_____
Design	200	100	100	50	130	65	_____
Plant	200	100	300	150	160	80	_____
Reissue	300	150	500	250	600	300	_____
Provisional	200	100	0	0	0	0	_____

2. EXCESS CLAIM FEESFee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

<u>Small Entity</u>	
<u>Fee (\$)</u>	<u>Fee (\$)</u>
50	25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200	100
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Multiple dependent claims

360	180
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<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	
-20 or HP =	x	\$	\$0	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>

HP = highest number of total claims paid for, if greater than 20

<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
-3 or HP =	x	\$	\$0

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper, the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

<u>Total Sheets</u>	<u>Extra Sheets</u>	<u>Number of each additional 50 or fraction thereof</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other: Information Disclosure Statement (after office action)

Fees Paid (\$)

180.00

SUBMITTED BY

Signature		Registration No. 51,995 (Attorney/Agent)	Telephone (650) 326-2400
Name (Print/Type)	Daniel Mao		Date May 12, 2006

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT
Attorney Docket No.: 018547-008213US
Client Reference No.: 1091.1C US

On 5/31/06

CL HHS



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Chee et al.

Application No.: 10/616,228

Filed: July 8, 2003

For: COMPUTER-AIDED
VISUALIZATION AND ANALYSIS
SYSTEM FOR SEQUENCE
EVALUATION

Confirmation No.: 1818

Examiner: Whaley, P. S.

Art Unit: 1631

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on the attached PTO/SB/08A and PTO/SB/08B forms are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicant draws examiners attention to commonly owned, pending application no. 08/584,754, filed January 9,1996 (Attorney Docket No. 018547-008230US).

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

This IDS is being filed before the mailing date of the final Office Action or Notice of Allowance. Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



Daniel Mao
Reg. No. 51,995

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, Eighth Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 650-326-2422
DM:crf

60772183 v1



Substitute for form 1449A/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/616,228
				Filing Date	July 8, 2003
				First Named Inventor	Chee
				Art Unit	1631
				Examiner Name	Whaley, P. S.
(Use as many sheets as necessary)				Attorney Docket Number	018547-008213US
Sheet	1	of	2		

Examiner Signature		Date Considered	
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¹EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ² Applicant's unique citation designation number (optional). ³ Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check in the box if the application is entitled to the benefit of a prior filed application.

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60772183 v1



Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/616,228
(Use as many sheets as necessary)				Filing Date	July 8, 2003
Sheet	2	of	2	First Named Inventor	Chee
				Art Unit	1631
				Examiner Name	Whaley, P. S.
				Attorney Docket Number	018547-008213US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	AK	DRMANAC et al., "Miniatrization of Sequencing by Hybridization (SBH): a novel method for genome sequencing," and "Algorithm for Sequence Generation from K-tuple word content," abstracts only from Wolf Trap Genome Sequencing Conference, 1989.		<input type="checkbox"/>
	AL	DRMANAC et al., "Partial Sequencing of Random cDNA Clones by Hybridizations of Short Oligonucleotides: Making a Gene Inventory," and "Towards Genomic DNA Sequencing Chip Based on Oligonucleotide Hybridization," abstracts only, pages 52-53 from Genome and Sequencing Conference, Cold Spring Harbor Laboratory, 5/2-6/90.		<input type="checkbox"/>
	AM	DRMANAC et al., "Prospects for a Miniaturized, Simplified and Frugal Human Genome Project," <u>Scientia Yugoslavia</u> , 16(1-2):97-107 (1990).		<input type="checkbox"/>
	AN	DRMANAC et al., "Sequencing by Oligonucleotide Hybridization: A Promising Framework in Decoding of the Genome Program?" <u>Proc. First Int'l Conf on Electrophoresis, Supercomputing and the Human Genome</u> , pages 47-59, held 4/10-13/90 in Tallahassee, FL.		<input type="checkbox"/>
	AO	Illumina, Inc.'s First Amended Answer and Counterclaims in Civil Action 04-901 JJF.		<input type="checkbox"/>

Examiner Signature	Date Considered
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²Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.